

**University of Iowa
Carver College of Medicine**

Course Descriptions for Visiting Students

2022

Courses listed have the potential to be available to visiting students
but may not be available at time of application.

Revised 2/03/2022

DEPARTMENT OF ANESTHESIA

Director: [Dr. Katherine Keech](#)
[Dr. Yasser El-Hattab](#)

Contact: Lorri Barnes
6617 JCP
319-384-9273

ANES:8401 Clinical Anesthesia Senior Rotation - 4 weeks

Faculty: Department of Anesthesia Staff

Offered: All blocks

Administrative Lorri Barnes
Contact: 319-384-9273
lorri-barnes@uiowa.edu

Max 4
Enrollment:

Report To: See ICON or departmental email

Special Prerequisite: ANES:8301
Conditions:

The student will: Build on the knowledge and experience gained from the two-week Anesthesia selective rotation (ANES:8301). Students will gain more advanced airway management skills. Students will encounter patients with complex medical and surgical conditions. The course will be tailored to meet the need and interest of the student; students will have an opportunity to spend extended time on subspecialty areas (OB, neuro, cardiac, pediatrics, regional). Completion of an academic project (case report and discussion) is a requirement.

Course Objectives

This will be achieved through:

1. Preoperative, intraoperative, and postoperative care for patients undergoing surgical procedures.
2. Direct supervision by a staff anesthesiologist.
3. Attendance at conferences and teaching activities of the section, and completion of an academic project.

ANES:8402 Surgical & Neurosciences Intensive Care - 4 weeks

Faculty: Dr. Anita Chazhikattu & Staff

Offered: All blocks

Administrative Lorri Barnes
Contact: 319-384-9273
lorri-barnes@uiowa.edu

Max 12
Enrollment:

Report To: See ICON or departmental email

The student will:

1. Receive in-depth exposure to continuous invasive and non-invasive monitoring techniques including ECG, pulse oximetry, arterial blood pressure, central venous pressure, pulmonary artery pressure monitoring.
2. Gain experience in use of vasoactive drugs.
3. Gain experience in managing acid-base and fluid balance alterations associated with critical illnesses.
4. Be introduced to ventilatory management of critically ill patients.
5. Have exposure to critically ill patients.
6. Have exposure to trauma, transplant, and post-surgical patients in addition to offering a unique opportunity to work in the largest ICU in the state of Iowa and largest Neurosurgical ICU in the state.
7. Learn about neurologic monitoring, management of intracranial pressure, management of closed head injuries and exposure to management of other neurologic and neurosurgical emergencies.
8. Be exposed to the role of multi-disciplinary management teams with clinical nutrition service, physical therapy, and social work.

Course Objectives

This will be achieved through:

1. Involvement in the care of critically ill patients in the Surgical and Neurosciences Intensive Care Unit (SNICU) and the Cardiovascular Intensive Care Unit (CVICU) under the supervision of residents, fellows and staff.
2. Participation during teaching rounds.
3. Attendance at conference seminars and teaching activities provided by the SNICU and the CVICU.

DEPARTMENT OF CARDIOTHORACIC SURGERY

Director: [Dr. Luis Garcia](#)

Contact: [Jody Gingerich](#)
1527 JCP
319-356-4518

CTS:8401 Advanced Inpatient Sub-Internship in CT Surgery - 4 weeks

Faculty: Cardiothoracic Surgery Staff

Offered: All blocks

Administrative Jody Gingerich
Contact: jody-gingerich@uiowa.edu
319-356-4518

Max 1
Enrollment:

Report To: See ICON or departmental email.

The student will participate in the diagnosis, preoperative, operative, and postoperative care of thoracic and cardiac patients. He/she will attend all scheduled conferences of the division. The student will assume responsibility and act as an intern. These students may concentrate their interest in either cardiac surgery or thoracic surgery. The student will be responsible for diagnosis and management of patients on an inpatient service under close supervision by an upper level resident and a faculty member.

DEPARTMENT OF DERMATOLOGY

Director: [Dr. Vincent Liu](#)

Contact: [Kate Scheer](#)
40024 PFP
319-356-1694

[Pat Swenka](#)
40028 PFP
319-384-5470

DERM:8401 Dermatology Elective - 4 weeks

Faculty: Dr. Liu and Staff

Offered: All blocks

Administrative Kate Scheer
Contact: 319-356-1694
kathryn-scheer@uiowa.edu

Max 2
Enrollment:

Patricia Swenka
319-384-5470
patricia-swenka@uiowa.edu

Report To: See ICON or departmental email

Special Prerequisite: DERM:8301
Conditions:

The student will

1. acquire a deeper familiarity with basic skin anatomy, physiology and pathology;
2. understand the importance of morphology and description of diagnosing cutaneous disease;
3. learn how to perform and document a complete skin examination;
4. learn to generate appropriate differential diagnoses for skin conditions;
5. learn the most common and clinically most significant dermatologic conditions;
6. become familiar with fundamental dermatologic diagnostic techniques;
7. become familiar with minor skin surgical procedures; and
8. formulate appropriate plans for management of patients with dermatologic disease.

Course Objectives

This will be achieved through experience

1. in the UIHC Dermatology Clinic and IRL Derm clinic
2. at Iowa City Veteran Affairs/VA Medical Center;
3. with specially scheduled surgery patients;
4. on the UIHC Dermatopathology Service; and
5. with inpatient consultations.

DEPARTMENT OF EMERGENCY MEDICINE

Director: [Dr. Brooks Obr](#)

Contact: [Nathan Kramer](#)

1010 RCP
319-384-7290

[Kelby Kiefer](#)

1008 RCP
319-384-6468

EM:8401 Advanced Life Support Skills - 4 weeks

Faculty: Dr. Jon Van Heukelom

Offered: 7/5/22 Only
7/3/23 Only

Administrative Contact: Nate Kramer
nathan-kramer@uiowa.edu
319-384-7290

Max Enrollment: 20

Kelby Kiefer
kelby-kiefer@uiowa.edu
319-384-6468

Report To: See ICON or departmental email

Special Conditions: Grading is PASS/FAIL only
Prerequisite: Strong interest in
Emergency Medicine.

Student should not take both
EM:8401 & EM:8409

Students will undergo an intensive program providing “basic training” in life support skills. This 4-week elective coincides with the emergency medicine intern orientation and is designed for the medical student with a strong interest in specializing in emergency medicine. The month is divided among lectures, demonstrations, skills labs, procedural workshops, small groups, high fidelity simulation, manikin training, cultural and diversity training, wilderness medicine, journal club, and patient care. Students will develop an advanced understanding of prehospital triage, transport, and initial stabilization of critically ill patients. Critical care procedures will be taught through procedural skills labs. Students will complete up to 7 clinical shifts in the department at UIHC.

Course Objectives

In the process of the course, students can become certified in Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS). These courses are optional.

Students will receive training in the recognition and management of common clinical problems as well as critical care training in trauma, respiratory emergencies, cardiovascular emergencies, neurologic emergencies, endocrine emergencies, and septic shock. In addition, special populations will be discussed including pediatrics and geriatrics. The rotation will include a wilderness medicine race at Lake MacBride.

Nearly 100% of the faculty from the Department of Emergency Medicine will teach some aspect of this course, especially residency leadership with oversight by the course director.

EM:8402 Emergency Medicine UIHC - 4 weeks

Faculty: Dr. Brooks Obr

Offered: 8/1/22
8/29/22
9/29/22

Administrative Contact: Nate Kramer
nathan-kramer@uiowa.edu
319-384-7290

Kelby Kiefer
kelby-kiefer@uiowa.edu
319-384-6468

Max Enrollment: 5

Report To: See ICON or departmental email

Special Conditions: All time off requests must be submitted 2-weeks prior to the start of the rotation.

Attendance is mandatory at UIHC 1st day of rotation for orientation and didactic day.

Only for those who have decided on or are strongly considering Emergency Medicine as a specialty choice.

This course is a more rigorous/in-depth Emergency Medicine experience, only for those who have decided on or are strongly considering Emergency Medicine as a specialty choice. This course will need to be completed in order to obtain an E-SLOE (Standardized Letter of Evaluation) for EM Residency applications from UIHC.

A 4-week clerkship with emergency medicine residents and faculty in which the principles of acute care medicine and the approach to life threatening disease are emphasized. The student will perform under the close supervision of the staff and resident physicians in the Emergency Department.

Students will be scheduled for 14 shifts. A combination of day, evening, and night shifts including weekdays and weekends is required to maximize exposure to a wide range of patient presentations.

The Carver College of Medicine policy on attendance and time off requests will be followed. Please keep this in mind when registering.

Students must attend orientation typically at 8:00 am on the first day of the clerkship followed by a didactic day. . Students are additionally required to complete a systems-based practice project and ethics paper. Student evaluation will be based on a combination of ED clinical performance and an EM Shelf exam.

Additional Course Information

If you are considering emergency medicine as a specialty choice, it is strongly recommended that you rotate at the University of Iowa Hospitals and Clinics in Iowa City for purposes of obtaining a Standardized Letter of Evaluation (SLOE).

DEPARTMENT OF FAMILY MEDICINE

Director: [Dr. Stacey Appenheimer](#)

Contact: [Bre Anna McNeil](#)
01293-G PFP
319-384-7517

FAM:8402 University of Iowa Family Medicine - 2 or 4 weeks

Faculty: Stacey Appenheimer, MD, Course Director

Offered: All blocks

Administrative Contact: Bre Anna McNeill
319-384-7517
fm-clerkship@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

This course will emphasize the outpatient aspects of key components of family medicine, including:

- Continuity of care
- Comprehensive care
- Caring for entire families and caring for patients throughout the lifespan
- Integration of health care in the local community
- Patient education
- Care for acute and chronic diseases

Expectations:

- Gain skill in assessment, diagnosis, treatment, and management of patients with common illnesses seen in the ambulatory setting while assigned to the Family Care Center.
- Work collaboratively with the other members of the healthcare team.
- Attend Family Medicine conferences.

Additional Course Information

Students taking this rotation must be seriously considering entering the specialty of Family Medicine.

FAM:8422 Family Medicine/Psychiatry - 4 weeks

Faculty: Monika Jindal, MD, Course Director;
Emily Welder, MD, Assistant Director
of Medical Student Education for
Family Medicine
Emily Morse, DO, Psychiatry Clerkship
Director

Offered: All blocks

Administrative Bre Anna McNeill
Contact: 319-384-7517
fm-clerkship@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

Special Student must receive permission from
Conditions: Dr. Appenheimer to register for this course.

This course will emphasize the integration of mental and physical healthcare across the outpatient family medicine and outpatient psychiatry arenas, including:

- Mental health care in the primary care setting
- Primary care for people with severe mental illness
- Continuity of care
- Comprehensive and holistic care
- Caring for entire families and caring patients throughout the lifespan
- Integration of health care in the local community
- Preventive medicine
- Care for acute and chronic diseases
- Patient education

Expectations:

- Gain skill in assessment, diagnosis, treatment, and management of patients with common illnesses seen in the ambulatory setting while assigned to the Family Medicine/Psychiatry Clinic, the Family Medicine Clinic, or the rural office in Riverside.
- Work collaboratively with other members of the health care team
- Attend conferences in Family Medicine & Psychiatry

DEPARTMENT OF INTERNAL MEDICINE

Director: [Dr. Manish Suneja](#), Vice Chair for Education
[Dr. Milena Gebska](#), Director, Sub-Internship Program

Contact: [Kathleen Steenlage](#)
E328-4 GH
319-356-2333

IM:8410 Clinical Allergy-Immunology - 4 weeks

Faculty: Dr. Svjetlana Dolovcak and Staff

Offered: All blocks

Administrative Patty Bruffey Thoene, C42 GH
Contact: 319-356-1311
patricia-bruffeythoene@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

This subspecialty elective emphasizes experience in the diagnosis and treatment of clinical problems in allergy and immunology, including experience in skin testing, administering allergen immunotherapy, the use of immunoglobulin (IVIG and SCIG) & other immunomodulatory therapies, drug challenges and desensitization, and interpreting pulmonary function tests.

The student will assist in the diagnosis and management of asthma, allergic rhinitis, drug allergy, food allergy, atopic dermatitis, urticaria and angioedema, hereditary angioedema and immunodeficiency disease states. Outpatients will be evaluated by the student under supervision of the staff. Selected opportunities exist for students to join inpatient Complex Disorders team rounds.

Students will participate in allergy-immunology conferences weekly including Immunology Grand Rounds (Wed, 1:00 pm, C423-1 GH), and the Fellows' Didactic Core Conferences (Wed, 2:15 pm).

IM:8412 Clinical Cardiology - 4 weeks

Faculty: Dr. Donald Brown, Course Director;
Staff of Cardiovascular Division

Offered: All blocks

Administrative Kathleen Detert, E316-1, GH
Contact: 319-384-8756
kathleen-detert@uiowa.edu

Max 3
Enrollment:

Report To: See ICON or departmental email

Internal scheduling for this course will be the responsibility of the department.

Emphasis will be to acquire both breadth and depth in the diagnosis and therapeutic problems encountered in clinical cardiology.

The student will participate in the evaluation and decisions regarding patients seen at the Cardiovascular Clinic and/or Cardiovascular in-patient consult service (at the UIHC or VAH for consults). He/she will become familiar with techniques and regimens of management of ischemic heart disease, pre- and post-operative conditions, and the chronic cardiac states seen frequently in clinical cardiology, such as congestive heart failure and valvular heart disease, and management of common rhythm abnormalities. During each week of the rotation there will be an emphasis on one of these topic areas through computer assisted instruction, assigned readings, and meeting with one of our cardiology fellows.

The elective consists of either four weeks on the UIHC Clinic Service, or two weeks on the UIHC Clinic Service plus two weeks on General Cardiology In-patient Consult Service or two weeks on the VA Consult Service. In general, no more than one student can be assigned to the Cardiology Clinic at one time. If students have preferences as to their assignment during this rotation, they should contact Kathleen Detert, 354-8756, E316-1 GH, as soon as they have been notified of their acceptance into this elective.

IM:8414 Clinical Endocrinology - 4 weeks

Faculty: Dr. Amal Shibli-Rahhal and Staff

Offered: All blocks

Administrative Laura Deines, E400, GH

Max 2

Contact: 319-384-8305

Enrollment:

laura-deines@uiowa.edu

Report To: See ICON or departmental email

Students electing this course will spend about half of their time in outpatient clinics and the other half on the endocrine consult team.

During the outpatient clinic part of the rotation, students will attend endocrine and diabetes clinics every day, working alongside different faculty members. These clinics take place at Iowa River Landing, the University of Iowa, and the VA Hospital.

While on consults, students will work with the Endocrine Consult team that consists of a staff physician, an endocrinology fellow and sometimes an internal medicine resident, and will see inpatient endocrine and diabetes consultation patients. When the consult service is not busy, students will also have the opportunity to spend all or part of their morning seeing patients in clinic with a staff physician.

For each of these activities students will be expected to perform complete patient evaluations and to develop diagnostic programs and therapeutic plans. Students will also participate in the clinical conferences of the Division.

Conferences to be attended by the student:

- The Diabetes and Obesity Talks: Mondays 1:00 – 2:00 pm, 1289 Kelch
- Fellows Curriculum Lecture Series: Mondays 2:00 – 3:00 pm
- Endocrinology Clinical Conference: Mondays 4:00 – 5:00 pm.

- Internal Medicine Grand Rounds: Thursdays Noon, Med Alumni Aud
- Endocrine Grand Rounds: Fridays 7:30 – 8:15 am.

IM:8416 Clinical Gastroenterology-Hepatology - 4 weeks

Faculty: Gastroenterology-Hepatology Staff

Offered: All blocks

Administrative Contact: Dr. Arvind Murali, 4553 JCP or
Hilary Humphrey, 4608 JCP
319-356-2132

Max Enrollment: 1

Report To: See ICON or departmental email

Gastroenterologists/Hepatologists are Internists that specialize in care of patients with diseases that impair the function of the esophagus, stomach, small bowel, colon, rectum, liver, biliary system, and/or exocrine pancreas. The goal of this rotation is to familiarize you with the differential diagnosis, evaluation, and management of common gastrointestinal and liver disorders.

Course Objectives

By the end of the rotation, we expect that:

1. You will have refined your ability to obtain pertinent history and exam findings in patients with GI/Liver diseases.
2. You will be able to understand and learn the approach to the diagnosis and management of GI/Liver diseases in the inpatient and outpatient setting.
3. You will be able to understand the diagnostic and therapeutic indications of procedures performed in the management of patients with GI/Liver diseases (endoscopy, liver biopsy, FibroScan, motility studies).
4. You will be able to interpret the results of laboratory, endoscopic, and radiographic tests performed in the management of patients with GI/Liver diseases.
5. You will be able to recognize the need for appropriate gastroenterology/hepatology consultation.

This will be achieved through:

1. Active participation in the Inpatient GI and Inpatient Liver consult services.
2. Evaluation of select patients in the GI/Liver outpatient clinics with the consult fellow and attending.
3. Observation of invasive procedures performed in the Digestive Health Center's Diagnostic and Therapeutic Unit, MICU, and SNICU by GI/Liver clinical faculty.

Attendance at weekly GI/liver teaching conferences – A hand out with information on the various didactics will be provided to the residents at the start of their rotation

IM:8418 Hematology Oncology - 4 weeks

Faculty: Hematology Oncology Staff

Offered: All blocks

Administrative Contact: Erin Thompson, C-32 GH
319-356-2148
erin-m-thompson@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

This elective is designed to increase diagnostic skills in hematology and oncology.

Course Objectives

The student will learn:

1. the methods and value of clinical staging of common cancers including solid tumors and lymphomas;
2. the principles and practice of rational chemotherapy;
3. the therapy and outpatient management of patients with solid tumors and lymphomas;
4. the principles of palliative care;
5. about hemostatic and thrombotic disorders;
6. the study of blood smears and bone marrow preparations; and
7. the principles and practice of rational therapy for benign and malignant hematological disorders.

This will be achieved through:

1. participation in oncology and hematology inpatient and outpatient consultation and outpatient clinic activities;
2. attendance at division conferences and
3. independent study.

IM:8422 Clinical Infectious Disease - 4 weeks

Faculty: Infectious Disease Staff

Offered: All blocks

Administrative Contact: Stephanie Cecil, SW54-13 GH
319-356-7740
stephanie-cecil@uiowa.edu

Max Enrollment: 2

Report To: See ICON or departmental email

Course Objectives

The student will:

1. Increase their understanding of the pathogenesis of infectious diseases and of the host's reaction to such disease processes;
2. Increase proficiency in the diagnosis and management of patients with infectious diseases, including the proper use of antibiotics;
3. Learn to apply clinical microbiology to the diagnosis of infectious diseases.

This will be achieved through:

1. Evaluation and follow-up of patients seen by the Infectious Diseases consult service;
2. Participation in daily clinical work rounds;

3. Clinical teaching during daily work rounds;
4. Participation in weekly Infectious Diseases grand rounds;
5. Participation in clinical microbiology rounds.

IM:8426 Pulmonary Consultation Service - 4 weeks

Faculty: Pulmonary faculty on rotational basis

Offered: All blocks

Administrative Lakshmi Durairaj, MD

Max 2

Contact: Sam Bredlau, C 33 F GH
samantha-bredlau@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

Course Objectives

The student will:

1. Refine history taking and physical exam skills, with emphasis on symptoms and signs common to diseases of the cardiopulmonary system.
2. Learn diagnostic and therapeutic strategies for adult patients with pulmonary disease.
3. Interpret pulmonary function tests and thoracic radiographic studies.
4. Gain exposure to the role of a consulting physician.

This will be achieved through:

1. Participation in the Adult Pulmonary Consult service at University Hospitals.
2. Interpretation of pulmonary function tests with the consult fellow and attending.
3. Review of thoracic imaging studies with the consult fellow and attending.
4. Observation of invasive diagnostic and therapeutic procedures.
5. Attendance at teaching conferences for the Pulmonary Disease and Critical Care Division, held two-to-three times weekly.
6. Present at the clinical case conference on Friday noon (optional).

IM:8428 Adult Nephrology - 4 weeks

Faculty: Dr. Antes & Renal Division Staff

Offered: All blocks

Administrative Lisa Novak, E300 GH

Max 1

Contact: 319-356-3446
lisa-novak@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

Students on the Nephrology Consult Service are integral members of our patient care team and are afforded the opportunity to assume significant responsibilities and play a vital role in the clinical and educational activities of the Division of Nephrology. During the adult nephrology rotation, the student will become acquainted with a wide variety of challenges and experiences encountered in the practice of clinical nephrology. Students will participate in rounds on the in-patients at UIHC (no on-call responsibilities) and will be assigned to one ½ day ambulatory renal clinic per week at either UIHC or the VAMC. In addition, students will attend teaching conferences of the Nephrology Division and participate in daily review of renal test questions.

Course Objectives

1. To understand the use and basic interpretation of specialized tests of renal function
2. To evaluate and manage patients with acute kidney injury
3. To assess and manage patients with complex fluid, electrolyte and acid base problems
4. To manage patients with CKD or ESRD
5. To understand the indications and modalities for renal replacement therapy
6. To understand the evaluation and management of patients with HTN

IM:8434 Clinical Rheumatology - 4 weeks

Faculty: Dr. Svjetlana Dolovcak and all Division Faculty Members

Offered: All blocks

Administrative Contact: Dr. Svjetlana Dolovcak & Patty Bruffey Thoene
patricia-bruffeythoene@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

The student will:

1. increase his/her understanding of rheumatic diseases;
2. increase his/her skill in medical diagnosis of these diseases;
3. will learn the principles of management of patients with these diseases; 4) participate in clinical conferences.

This will be achieved through:

- participation in daily clinical activities;
- frequent patient-oriented discussion of problems as they arise on the clinical service;
- independent study.

DEPARTMENT OF NEUROLOGY

Director: [Dr. Tracey Cho](#)

Contact: [Caroline Martin](#)
S706 GH
319-356-8752

NEUR:8401 Advanced Inpatient Neurology - 4 weeks

Faculty: Dr. Cho

Offered: All blocks

Administrative Caroline Martin
Contact: caroline-martin@uiowa.edu
319-356-8752

Max 1
Enrollment:

Report To: See ICON or departmental email

Intensive period of experience dealing with diagnosis of patients hospitalized because of neurologic disease. The student will be responsible for the initial assessment outline management plans and will be responsible for daily care, under the supervision of faculty and senior residents. Daily clinical conferences and teaching rounds are included.

NEUR:8402 Advanced Outpatient Neurology - 4 weeks

Faculty: Dr. Cho

Offered: All blocks

Administrative Caroline Martin
Contact: caroline-martin@uiowa.edu
319-356-8752

Max 1
Enrollment:

Report To: See ICON or departmental email

Intensive period of experience with the diagnosis and treatment of patients with neurologic disease. The student will be assigned to the Neurology Outpatient Clinic. The student will perform the initial assessment of the patient and through consultation with the faculty, outline the management. Departmental conferences are held daily.

NEUR:8404 Advanced Inpatient Sub-Internship Neurology - 4 weeks

Faculty: Dr. Cho

Offered: All blocks

Administrative Contact: Caroline Martin
caroline-martin@uiowa.edu
319-356-8752

Max Enrollment: 1

Report To: See ICON or departmental email

This 4-week course provides opportunities in which the student to do the following

- Develop skills related to the management of patients hospitalized with acute neurological disease
- Gain experience in the diagnosis, evaluation, and treatment of patients with acute neurologic disease in the emergency department setting and on inpatient units
- Participate in the emergency and acute medical management of patients, including the treatment of comorbid diseases, prevention and treatment of acute complications, initiation the therapies to prevent recurrent stroke, and development of plans for recovery and rehabilitation, including discharge planning.

The student will have direct patient care under the supervision of the faculty and senior level residents or fellows.

Course Objectives

The student will have appropriate management responsibilities for all aspects of patient care.

- The student will follow assigned patients who are admitted for critical care to the surgical and neuroscience intensive care unit
- The student will be involved in evening call on the stroke service
- The student is expected to develop plans for evaluation and treatment of patients.
- The student is expected to prepare clinical notes and orders that can be forwarded to faculty and residents.
- The student is expected to join the team huddles in which allied health professionals also are present.

Student performance is assessed using the standard CCOM evaluation forms. The performance is based on the ACGME core competencies for resident education. The student is expected to provide an evaluation of his/her experience on the rotation.

DEPARTMENT OF NEUROLOGICAL SURGERY

Director: [Dr. Matthew Howard](#)

Contact: [Kathy Escher](#)
1800 JPP
319-356-7643

NSG:8401 Advanced Inpatient Sub-Internship in Neurosurgery - 4 weeks

Faculty: Dr. Matthew Howard & Staff

Offered: All blocks

Administrative Kathy Escher

Contact: 319-356-7643

kathy-escher@uiowa.edu

Max 5

Enrollment:

Report To: See ICON or departmental email.

This advanced clinical clerkship is designed for students interested in neurologic diseases. There will be emphasis on the diagnosis of neurologic disorders as well as operative therapy. The student will be expected to attend related conferences with Radiology and Neurology. The student will be responsible for diagnosis and management of patients on an inpatient service under close supervision by an upper level resident and faculty member. Evaluation will be based upon the ward performance.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Director: [Dr. Sarah Shaffer](#), D.O., MME

Contact: [Sally Fisher](#)
51210-B PFP
319-384-8654

OBG:8401 Advanced Inpatient Sub-Internship High Risk Antepartum Obstetrics - 4 weeks

Faculty: Drs. Stephen Hunter, Andrea Greiner, Mark Santillan and Nicole Masse, Silvia Villagomez ARNP; Faculty Director: Nicole Masse, MD

Offered: All blocks

Administrative Contact: Sally Fisher
319-384-8654
sally-fisher@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

Sub-internship focused on inpatient and outpatient care of women with co-morbid health conditions that complicate pregnancy, fetal anomalous conditions, and complications unique to the pregnant state.

Course Objectives

Objectives:

1. Under supervision by the antepartum resident and faculty member, the sub-intern will be responsible for managing high-risk obstetric patients admitted to the Antepartum Service. This will include ordering diagnostic studies, following labs, and being involved in the patients' clinical course. The student will develop skills in various diagnostic procedures such as non-stress testing and biophysical profiles. At daily sign-out, the sub-intern will present the patient(s) that he or she has evaluated and will participate in the discussion concerning other antepartum patients.
2. The sub-intern will see specific patients in the High-Risk Obstetrics Clinics
3. The sub-intern will assist with the evaluation of complicated obstetric patients admitted to the antepartum service on Labor & Delivery. The sub-intern may be involved in the intrapartum care and delivery of high-risk obstetric patients.
4. Completion of one formal referenced paper about a specific topic in Maternal-Fetal Medicine chosen by the sub-intern and one of the faculty members. The student will be evaluated by this evidence-based paper.
5. Required Clinical Experiences must be recorded and completed by the end of the rotation.
6. Midblock feedback will be provided by the faculty director.
7. The sub-intern will complete two Foundational Science Learning Reports.

OBG:8402 Advanced Inpatient Sub-Internship Gynecologic Oncology - 4 weeks

Faculty: Drs. David Bender, Michael Goodheart, Jesus Gonzalez-Bosquet, Emily K. Hill and Megan McDonald;
Faculty Director: Emily K. Hill, MD

Offered: All blocks

Administrative Contact: Sally Fisher
319-384-8654
sally-fisher@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

Sub-intern experience in the evaluation and management of surgical & hospitalized gynecologic oncology patients with serious and often complex problems. The sub-intern will be evaluated by direct observation from faculty and residents. The sub-intern will interact and be closely supervised by the residents, fellow, and faculty with weekly, verbal feedback from this team regarding documentation, clinical decision-making, and management plans. The mid-block evaluation meeting with the faculty director will include input from the Gyn Onc team. The faculty director will complete the final evaluation by completing input from the other faculty, residents, and fellows.

Course Objectives

- Develop a better understanding of diagnosis, evaluation, and management of patients with a variety of gynecologic neoplasia - both benign and malignant.
- Participate in direct patient care under the supervision of faculty and resident physicians. The student's experiences will consist predominantly of patient care.
- Develop skills in the management of postoperative gynecological cancer patients, with emphasis on clinical decision-making and development of management plans.
- Assume an appropriate level of management/responsibility for all aspects of patient care. Specifically, the sub-intern will participate in admissions, writing daily progress notes and discharge summaries, and assist in writing/reviewing postoperative admissions orders.
- Develop skills in management of postoperative fluid, electrolyte, and acid-base disorders, gain exposure to postoperative wound evaluation/care; assist in placement of nasogastric tubes or other on-floor procedures as appropriate.
- Practice independent evaluation of postoperative pain, develop differential diagnoses for postoperative pain, and develop an understanding of postoperative pain management.
- Participate in the management of postoperative patients with anemia and malnutrition.
- Engage in opportunities to independently identify critically ill patients who require immediate attention and possibly transfer to an intensive care setting.
- Practice documenting clinical activities (admission notes, progress notes, discharge summaries) in the medical record.
- Function collaboratively in a clinical management team including nursing staff, other students, residents, consulting providers, social workers, ward clerks, and other support staff.

Additional Course Information

Evaluation Methods:

- The sub-intern will attend the weekly Gynecologic Oncology Tumor Board, unless they are in the OR.
 - The last week of the rotation, the student will present an appropriately referenced topic in Gynecologic Oncology of his/her choice, typically drawn from a patient experience during the rotation.
 - Required Clinical Experiences must be recorded and completed by the end of the rotation.
 - Midblock feedback will be provided by the faculty director.
 - The sub-intern will complete two Foundational Science Learning Reports.
-

OBG:8403 Reproductive Endocrinology - 4 weeks

Faculty: Drs. Brad VanVoorhis, Hakan Duran, Jessica Kresowik, Rachel Mejia, Abigail Mancuso. PA: Elizabeth Graf; ARNP: Dana Aybout, El Sayed: Faculty
Director: Hakan Duran, MD

Offered: All blocks

Administrative Contact: Sally Fisher
319-384-8654
sally-fisher@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

Advanced elective in the field that studies the intricate physiology and endocrinology of female reproductive function. The student will be evaluated by all faculty members with whom they worked with in clinics, ORs, and other settings including imaging (e.g. HSG), IVF procedure suite, etc. All evaluations will be aggregated, and the final grade submitted by the faculty director. As a member of a team caring for patients with infertility, reproductive endocrine disorders, and benign gynecologic conditions, the student will function under close supervision by residents, fellows and faculty members.

Course Objectives

- Increase understanding and skill in evaluation, diagnosis, and treatment of patients with infertility, amenorrhea, recurrent pregnancy loss, and other gynecological endocrinopathies.
- Increase understanding and ability to evaluate a prospective surgical patient pre-operatively, and care for patients post-operatively in the hospital.
- Active participation in the Reproductive Endocrinology and Infertility Clinics several days a week.
- Presentation to the division on a topic chosen by the student will be used to evaluate learning objectives.
- Participation in related major in-patient and minor out-patient surgical procedures, including pre and post-operative evaluation and care.
- Attendance and participation during weekly student chapter review lectures.
- Participation and assistance in performing hysterosalpingograms one afternoon per week, assistance in performing pelvic ultrasounds throughout the week, and study of assigned reading materials.
- Required Clinical Experiences will be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director.
- Participate in 4th year Professionalism Seminar.

OBG:8405 Urogynecology - 4 weeks

Faculty: Drs. Catherine Bradley, Kimberly Kenne, Joseph Kowalski and; ARNP: Diane Elas & Stephanie Atkinson;
Faculty Director: Kimberly Kenne, MD

Offered: All blocks

Administrative Sally Fisher
Contact: 319-384-8654
sally-fisher@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

Advanced elective focused on outpatient, surgical, and inpatient care of women with pelvic floor disorders and other urogynecologic conditions.

Course Objectives

- Learn and understand the normal anatomy of the female pelvic floor, the physiology of pelvic floor function, and the pathophysiologic processes resulting in the pelvic floor disorders in women.
- Learn and have knowledge of the basic history and physical exam performed in women presenting for care of pelvic floor disorders.
- Understand the typical clinical presentation, evaluation, and treatment options (conservative and surgical) for urinary incontinence and pelvic organ prolapse.
- Participate in activities in a typical Urogynecology practice, including ambulatory clinic visits, clinic outpatient procedures, surgeries, and inpatient care.

Additional Course Information

Activities:

- Complete the four-week advanced elective rotation. No weekend or evening shifts are required.
- Function as an active member of the Urogynecology clinical team.
- Prepare a chosen topic as a short presentation to the Urogynecology clinical team during the final week of the rotation.
- Required Clinical Experiences will be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director

OBG:8409 Night Float - 4 weeks

Faculty: Dr Michael Haugsdal

Offered: All blocks

Administrative Sally Fisher
Contact: 319-384-8654
sally-fisher@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

The Night Float student will be paired with the Night R2 to share primary responsibility for the inpatients on the gynecology services. The Night Float student and Night R2 will perform the initial assessment of Emergency Department or inpatient consults/admissions with supervision of the Night Chief R3/4 and /or faculty as indicated. The Night Float student will carry out management plans discussed at evening sign-out for the inpatient Gyn services. When not actively engaged in the care of Gyn patients, the Night Float student will participate in the work of the resident team on Labor & Delivery, gaining OB procedural experience. However, Labor & Delivery activities will be per the discretion of the Night Chief R3/4 in order to prioritize the Labor & Delivery experience for the core clerkship students.

The rotation is Monday night through Thursday night from 5:00 PM to 7:30 AM with morning report at 6:30 AM Tuesday, and 7:00 – 7:30 AM Wed., Thurs., and Friday.

The Night Float student and Night R2 will generally report to the Gyn inpatient unit at 5:00 PM and attend Gyn Onc sign-out (Mon through Thurs). However, they may attend Labor & Delivery sign-out pending service needs. The Night Float student will attend Gyn Onc AM rounds including sign-out of assigned patients to the day Gyn Onc team.

Course Objectives

- Under the supervision of the Night R2, Night Chief R3/4, and staff call physician, the Night Float student will be responsible for managing the inpatient Gyn services overnight including 2-3 medically complex Gyn Onc patients. The Night Float student will develop skill in the management of inpatient gynecology (oncology and benign) patients.
- Under resident and staff supervision, the student will evaluate patients in the Emergency Department (and occasionally, Labor & Delivery), construct differential diagnoses, and contribute to plans of care. At Gyn Onc morning sign-out, the Night Float student will present the patients he/she has managed and will participate in the discussion concerning other patients. The Night Float student will be evaluated by direct supervision and evidence-based discussion related to inpatient management and procedures.
- The Night Float student may be involved in the intrapartum care and delivery of obstetric patients.
- Required Clinical Experiences must be recorded and completed by the end of the rotation.
- Midblock feedback will be provided by the faculty director.

DEPARTMENT OF OPHTHALMOLOGY

Director: [Dr. Pavlina Kemp](#)

Contact: [Michelle Snyder](#)

11290 PFP

319-356-2921

OPHT:8401 Cornea and Anterior Segment of the Eye - 4 weeks

Faculty: Mark Greiner, MD

Offered: Arranged

Administrative Tonya Looker

Contact: 319-356-2921

tonya-looker@uiowa.edu

Max 1

Enrollment:

Report To: See ICON or departmental email

Special Prerequisite: OPHT:8301
Conditions:

Intended for students interested in learning about the most common eye disorders in the field of cornea and the anterior segment of the eye.

The student is expected to:

- learn basic techniques of eye examination;
- learn to diagnose common diseases of the cornea and anterior segment of the eye, including the lens, iris and anterior chamber;
- learn basic principles of therapeutics of cornea and the anterior segment.

This will be achieved by:

- reading assignments;
- daily conferences;
- clinical work-up of patients;
- self-assessment programs.

The student will be evaluated throughout the elective and at its completion.

OPHT:8402 Elective in Neuro-Ophthalmology - 4 weeks

Faculty: Matthew Thurtell, MBBS, MSc,
FRACP

Offered: Arranged

Administrative Tonya Looker

Contact: 319-356-2921

tonya-looker@uiowa.edu

Max 1

Enrollment:

Report To: See ICON or departmental email

Special Prerequisite: OPHT:8301
Conditions:

Intended for students with an interest in Neurology, Neurosurgery, Internal Medicine, or Ophthalmology.

The student is expected to learn the diagnosis and management of neuro-ophthalmic problems (visual loss, diplopia, field loss, pupil dysfunction). This will be achieved by working up patients in Neuro-ophthalmology Clinic and presenting them to the faculty.

DEPARTMENT OF ORTHOPEDICS AND REHABILITATION

Director: [Dr. Benjamin Miller](#)
[Dr. Charles Clark](#)

Contact: [Kelly Schnoebelen](#)
01029 JPP
319-356-3090

ORTH:8407 Orthopedics - Adult Hip/Knee Reconstruction - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen

Max 1

Contact: 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend. appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Blue Team-Adult Hip and Knee Reconstruction service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8408 Orthopedics - Trauma - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen

Max 1

Contact: 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Red Team-Trauma service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8409 Orthopedics - Pediatrics - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen

Max 1

Contact: 319-356-3090

Enrollment:

kelly-j-schnoebelen@uiowa.edu

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Green Team-Pediatrics service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8410 Orthopedics - Sports Medicine - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Contact: Kelly Schnoebelen
319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Black Team-Sports Medicine service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8411 Orthopedics - Hand/Wrist/Elbow - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Contact: Kelly Schnoebelen
319-356-3090
kelly-j-schnoebelen@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Yellow Team-Hand, Wrist, Elbow service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8412 Orthopedics - Spine - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen

Max 1

Contact: 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.
- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Orange Team-Spine service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

ORTH:8413 Orthopedics - Oncology/Tumor - 4 weeks

Faculty: Orthopedic Faculty

Offered: All blocks

Administrative Kelly Schnoebelen

Max 1

Contact: 319-356-3090
kelly-j-schnoebelen@uiowa.edu

Enrollment:

Report To: See ICON or departmental email

The student will:

- develop in-depth skill in the physical diagnosis and approach to diseases of the musculoskeletal system.

- he/she will increase his/her ability to establish a differential list of problems to recommend appropriate solutions to each problem and assist in the management of the problem and each solution.

This will be achieved by:

- participation in the Silver Team-Oncology/Tumor Service.
- duties will be analogous to those of a junior resident with responsibility for patient care in clinic, hospital and the operating room.
- participation in staff conferences and rounds including presentation of patients for discussion.
- development of surgical and non-surgical skills in the care of patients.

In addition, the student will take night call with the assigned team at least one night per week and one 12-hour weekend call.

DEPARTMENT OF OTOLARYNGOLOGY

Director: [Dr. Scott Graham](#)

Contact: [Julie Varner](#)
21151 PFP
319-356-2177

OTO:8402 Advanced Otolaryngology - 4 weeks

Faculty: Staff

Offered: All blocks

Administrative Julie Kobliska

Contact: 319-384-8277

julie-kobliska@uiowa.edu

Max 3

Enrollment:

Report To: See ICON or departmental email

The student will

- become proficient in the physical examination of the head and neck;
- increase his ability to diagnose, evaluate and manage common disorders of the ears, nose, and throat;
- work in the outpatient clinic, on inpatient services, and in the operating room.

This will be achieved through experience

- examination of a large number of patients;
- assuming interns level responsibility inpatient care;
- independent study;
- exposure to the operating room if desired.

DEPARTMENT OF PATHOLOGY

Contact: [Vicky Farrington-Howrey](#)
C684 GH
319-356-0319

PATH:8402 Hematopathology Clerkship - 4 weeks

Faculty: Drs. S. Bhagavathi, S. Syrbu, C. Holman

Offered: All blocks

Administrative Contact: Vicky Farrington-Howrey
319-356-0319
vicky-farrington@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

The student will:

- develop proficiency in the evaluation of peripheral blood and bone marrow, lymph node, and body fluid cell evaluation;
- increase skills in recognition of benign and malignant disorders of the hematopoietic system;
- learn the appropriate laboratory work-up of anemia, thrombocytopenia/thrombocytosis, leukocytic disorders, and suspected hemoglobinopathy/thalassemia;
- increase understanding of the functioning of the hematology laboratory; and
- correlate hematologic findings with molecular, flow cytometric and cytogenetic laboratory findings.

This will be achieved through:

- performance of written reports on peripheral blood and bone marrow cases;
- attendance at daily review of bone marrows and abnormal peripheral blood and body fluid films;
- review of hemoglobin electrophoresis cases in conjunction with CBC data, blood smear findings, and clinical history;
- attendance at hematopathology unknown conference, leukemia conference, lymphoma conference, blood club, journal club, and clinical pathology conferences.

PATH:8403 Surgical Pathology - 4 weeks

Faculty: Dr. Anthony Snow and Staff

Offered: Closed March

Administrative Contact: Vicky Farrington-Howrey
319-356-0319
vicky-farrington@uiowa.edu

Max Enrollment: 2

Report To: See ICON or departmental email

Objectives:

- To become acquainted with the contributions to and limitations of tissue examination to patient care,
- to learn basic aspects of tissue examination and approaches to anatomic diagnosis,
- to be exposed to a variety of diseases at the gross and microscopic level.

The student will actively participate in surgical pathology by:

- observing the gross and assisting in the microscopic examination, clinical pathological correlation and report preparation of current surgical and medical specimens,
- participating in daily surgical pathology conferences.

PATH:8404 Transfusion Medicine - 4 weeks

Faculty: Drs. M. Knudson, A. Schlueter, J. Blau,
and B. Jackson

Offered: All blocks - based on availability of
trainee slot in DeGowin rotation
schedule.

Administrative Contact: Vicky Farrington-Howrey
319-356-0319
vicky-farrington@uiowa.edu

Max Enrollment: 1

Report To: See ICON or departmental email

Special Conditions: No holidays or weekends.

Objective: To be exposed to common activities and functions of a comprehensive transfusion service.

Upon completion of the clinical clerkship the student will:

1. Understand the indications for the transfusion of components such as platelets, plasma, RBC's and cryoprecipitate.
2. Participate in Morning Report and be aware of common indications for therapeutic apheresis and therapeutic phlebotomy, and the common risks and complications associated with these procedures.
3. Answer requests from the clinical services regarding the transfusion of blood components and special services (e.g., therapeutic plasma exchange).
4. Observe specific procedures such as: plasmapheresis, photopheresis, therapeutic phlebotomy, and peripheral blood progenitor cell collection (optional).
5. Participate in an offsite blood drive with DeGowin Donor Center Staff (optional).
6. Be familiar with basic Blood Bank procedures including techniques of erythrocyte typing, compatibility testing, antibody detection and antibody identification. Students will participate in specific procedures including pretransfusion compatibility testing, RBC typing and/or antibody screen.
7. Be able to apply knowledge of Transfusion Medicine to other specialties of obstetrics, anesthesia, medicine, and surgery.
8. Give a 30 min presentation on a Transfusion Medicine topic.

Students performing a 4-week rotation (Monday–Friday only) will have progressively more lab electives, pager coverage and will be expected to give a short case presentation at CP morning report in addition to the 30-minute presentation on Transfusion Medicine topic.

DEPARTMENT OF PEDIATRICS

Director: [Vanessa Curtis](#), MD

Contact: [Barbara Lewis](#)
BT 2015 23 BT

[Cathy Chavez](#)
BT 2015 22 GH
319-356-7824

PEDS:8406 Pediatric Allergy and Pulmonology - 4 weeks

Faculty: Pediatric Pulmonology Staff

Offered: All blocks

Administrative Barb Lewis

Contact: Barbara-lewis@uiowa.edu

Max 1

Enrollment:

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email.

We are in the process of revising this course. Students who are interested in registering for a Peds Pulmonology, Peds Allergy/Immunology/Rheumatology, or Peds Infectious Disease rotation will register under PEDS:8498 Individually Arranged Special Elective and will need to contact Cathy Chavez for more information.

The student will within the limits of time available:

Learn to obtaining a historical database to make the diagnosis of and characterize the following problems:

- Asthma
- Cystic fibrosis
- Bronchiectasis
- Bronchopulmonary dysplasia
- Protracted Bacterial Bronchitis
- Interstitial lung disease
- Anatomical disorders of the respiratory tract
- Rhinitis

Learn to perform and interpret pulmonary function testing in children and to combine this information with history, physical, chest x-ray, and blood gases in defining physiological abnormalities of the lower airway.

Be able to appropriately evaluate the other common causes of exertional Dyspnea- to include Vocal Cord Dysfunction, Hyperventilation disorders, physiologic endpoint.

Be able to evaluate the causes of Chronic Cough in the pediatric patient

Review the basic science areas of immunology, physiology, and pharmacology related to the diagnosis and treatment of the diseases listed under #1.

These goals will be achieved through exposure to ambulatory patients in the clinics and the performance of consultations on in-patient and out-patients. Students will assist in performing and interpreting pulmonary function testing on their own and other patients. Educational reading material and library references will be available.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- All students will write a 1-page reflection of their experience at the end of the rotation and upload it to ICON.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8406 Pediatric Pulmonology - 4 weeks

Faculty: Pediatric Pulmonology Staff

Offered: All blocks

Administrative Cathy Chavez

Max 1

Contact: 319-356-7824
cathy-chavez@uiowa.edu

Enrollment:

Report To: See ICON or departmental email.

The elective offers students an extensive opportunity to learn the clinical assessment of respiratory diseases and complaints, including physical exam, history taking, and interpretation of ancillary study such as lung functions, allergy testing, blood gases. Students will be exposed to diagnosis, management, and follow-up for common chronic respiratory conditions in the pediatric population.

Course Objectives

1. Develop the skills and knowledge to begin to manage acute pulmonary complaints
2. Develop the skills and knowledge to begin to diagnose and manage chronic respiratory disease.
3. Perform an age-appropriate history and physical exam needed to evaluate, treat and/or monitor patients with presenting signs and symptoms for common pulmonary disease processes.
4. Identify when ancillary testing is appropriate and how to interpret basic ancillary tests used in respiratory assessment to include lung functions testing, blood gasses and allergy testing options.
5. Develop the skills and knowledge to assess and manage asthma.
6. Recognize the potential side effects of commonly used respiratory therapies and how to monitor for those.
7. Develop the skills and knowledge to begin to manage cystic fibrosis.

PEDS:8407 Pediatric Cardiology - 4 weeks

Faculty: Ben Reinking, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis
Barbara-lewis@uiowa.edu

Max Enrollment: 1

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email

This elective would be suitable for students with an interest in pediatrics, family practice and cardiology.

The student will learn the skills required to assess the cardiovascular status of a child in an outpatient situation.

The rotation focuses on enhancing physical exam skills and physiology knowledge base from a cardiovascular perspective.

Students will learn to clinically integrate cardiovascular physiology with physical findings and laboratory tests. An emphasis will be placed on learning to differentiate innocent versus organic heart murmurs.

Course Objectives

By the end of the rotation, students should be able to explain the mechanism for the production of heart sounds and murmurs, distinguish normal from abnormal cardiovascular signs and symptoms and explain normal cardiac physiology as it applies to interpreting physical exam or laboratory tests. Students will have the opportunity to participate in all cardiology clinical activities including inpatient rounds, outpatient clinics, cardiac radiography, teaching conferences; including cardiac catheterization conferences, surgical conferences, journal club and seminars in pediatric cardiology are held weekly.

The elective is well-structured yet can be tailored to meet individual interests.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

Faculty: Eyad Hanna, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis
Barbara-lewis@uiowa.edu

Max Enrollment: 2

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email.

The student will increase his proficiency in the diagnosis, management and treatment of various diseases of the gastrointestinal tract, liver and pancreas and their nutritional consequences during infancy and childhood. A greater depth of knowledge concerning normal and abnormal nutrition will also result.

The objectives will be achieved through:

- Participation in clinical activities such as daily ward rounds, consultations on pediatric patients with GI problems, outpatient clinics, and diagnostic procedures such as endoscopies;
- Attending teaching and patient management conferences.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8409 Pediatric Hematology/Oncology - 4 weeks

Faculty: David Claassen, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis
Barbara-lewis@uiowa.edu

Max Enrollment: 1

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email.

The goal of this rotation is for the student to gain familiarity with the diagnosis and ongoing management of children with common and rare hematologic and immunologic disorders and malignancies. Through exposure to a wide variety of hematologic and oncologic diagnoses, the student will gain experience in diagnosing and treating patients in a multidisciplinary team.

Students will also observe and participate in procedures, chemotherapy planning and delivery, and transfusion medicine. The students will learn different roles in the clinic working with faculty, trainees, nurse practitioners, physician assistants, clinic nurses, social workers, child life specialists, and others.

The above goals will be achieved by attending pediatric hematology/oncology out-patient clinics. Students will participate in the initial diagnostic evaluation of patients referred to the Pediatric Hematology-Oncology Service, interpret the microscopic examination of blood smears and bone marrow specimens, and complete a selective reading list.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8410 Pediatric Neurology - 4 weeks

Faculty: Leah Zhorne, MD and Staff

Offered: All blocks

Administrative Barb Lewis

Contact: Barbara-lewis@uiowa.edu

Max 1

Enrollment:

Cathy Chavez

319-356-7824

cathy-chavez@uiowa.edu

Report To: See ICON or departmental email

The student will:

- increase proficiency in doing a neurologic examination on infants, children and young adults.
- develop competence at obtaining a neurologic history, including developmental history and genetic history.
- learn an approach to diagnosing and managing common and rare neurologic problems in childhood, including seizures, developmental delay, neurocutaneous disorders and muscular dystrophy. Through exposure to patients in follow-up visits, the student will learn the natural history of common neurologic disorders.

- learn to use written and computer-based resources and interpret the results of laboratory testing (CT, MRI, EEG) in the diagnostic evaluations.

These goals will be achieved through: Clinical activities will be focused on the outpatient clinic, with limited involvement in the inpatient service and consult service. The student will see patients independently and staff them with an attending. Students will participate in clinical conferences and will be expected to read selected readings in pediatric neurology. Students will be expected to participate in the weekly child neurology clinical conference.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8412 Developmental and Behavioral Pediatrics - 4 weeks

Faculty: Marcio Leyser MD and Staff

Offered: All blocks

Administrative Barb Lewis

Max 1

Contact: Barbara-lewis@uiowa.edu

Enrollment:

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email.

Course Objectives

- Understand the normal developmental sequence of childhood, and the impact of environmental influences.
- Be aware of the antecedents of selected developmental disabilities including ADHD, autism, intellectual and physical disabilities.
- Identify methods to detect cognitive and motor delays in infancy.
- Identify methods to detect physical and cognitive delays in the preschool child.
- Understand the long-term consequences of developmental disabilities.
- Work with an interdisciplinary team and understand its advantages in addressing developmental disabilities.

Additional Course Information

- Students registered for a 4-week rotation will develop 4 goals and will use these as the basis of their mid-rotation feedback. Students registered for a 2-week rotation need to identify 2 goals.

- Students registered for a 4-week rotation are expected to upload the completed and signed mid-rotation form to ICON to receive full credit. Students registered for a 2-week rotation do not need to complete a mid-rotation feedback.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8415 Medical Genetics for the Senior Student - 4 weeks

Faculty: Nicole Safina, MD, and Staff

Offered: All blocks

Administrative Barb Lewis

Max 1

Contact: Barbara-lewis@uiowa.edu

Enrollment:

Cathy Chavez

319-356-7824

cathy-chavez@uiowa.edu

Report To: See ICON or departmental email

Primary emphasis during this elective is to prepare the student to recognize and feel competent with genetic birth defect problems present in his/her future patients. A wide variety of genetics and birth defect problems will be seen. Clinical applications are stressed.

Students participate in clinical activities of the Division of Medical Genetics, Stead Family Department of Pediatrics. This may include General Genetics Clinics, Connective Tissue Disorder Clinics, Neurofibromatosis Clinics, Metabolic Clinics or Outreach Clinics. Clinics are held at the University of Iowa Children's Hospital, Iowa River Landing, North Liberty and at designated Outreach sites throughout the state.

Students also participate in weekly Genetics Journal Club, weekly Clinical and Molecular Genetics Case Review Conference and participate in weekly rounds for inpatients. Students assist in the evaluation and counseling of referred patients. Opportunities exist for students to be exposed to laboratory techniques of chromosome and/or DNA analysis through the Shivanand R. Patil Cytogenetics and Molecular Genetics Laboratory.

The student will present a 10-minute case review at the end of the rotation.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.

- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8419 Pediatric Rheumatology, Allergy, & Immunology - 4 weeks

Offered: All blocks

Administrative Contact: Barb Lewis
Barbara-lewis@uiowa.edu

Max Enrollment: 2

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email.

The purpose of this elective is to introduce students to the fields of rheumatology and allergy/immunology.

Course Objectives

1. Utilize self-reflection throughout the course to guide self-directed learning, identify knowledge and performance gaps, and address those gaps
2. Demonstrate the ability to use evidence-based medicine through production of an evidence-based project
3. Understand how socioeconomic factors affect patient populations through observed patient interactions

PEDS:8421 Pediatric Endocrinology - 4 weeks

Faculty: Vanessa Curtis, MD and Staff

Offered: All blocks

Administrative Contact: Barb Lewis
Barbara-lewis@uiowa.edu

Max Enrollment: 1

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email

The student will increase his/her knowledge of and proficiency in the diagnosis, management, and treatment of pediatric endocrine diseases such as growth disorders (short stature, tall stature, delayed puberty, precocious puberty), thyroid disorders (hypothyroidism, hyperthyroidism, thyroid nodules), diabetes mellitus, diabetes insipidus, dysgenetic syndromes, ambiguous genitalia, adrenal insufficiency or adrenal steroid excess, and hypopituitarism.

These objectives will be achieved primarily through participating in outpatient endocrine clinics but will also include consultation on inpatients with pediatric endocrine problems when appropriate. Students will also attend weekly division case conference, journal club, and combined endocrine grand rounds.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.
- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

PEDS:8431 Pediatric Nephrology - 4 weeks

Faculty: Jennifer Jetton, MD and Staff

Offered: All blocks

Administrative Barb Lewis

Max 1

Contact: Barbara-lewis@uiowa.edu

Enrollment:

Cathy Chavez
319-356-7824
cathy-chavez@uiowa.edu

Report To: See ICON or departmental email

Goals:

- Become familiar with and gain an appreciation for the manifestations of kidney disease in children.
- Begin to formulate management plans for patients with all types of kidney disease.

Additional Course Information

- Each student will develop 4 goals for their rotation and will use these for the basis of their mid- rotation feedback.
- Students are expected to upload the completed and signed mid-rotation form to ICON to receive full credit.
- Students are expected to complete and upload a Social Determinants of Health assignment. See ICON for more information.
- Students are expected to attend the scheduled Advanced Student Learning Lectures during their rotation. Attendance is mandatory.

- Students are responsible for initiating on-line evaluations and for completing the CCOM Clerkship Evaluation.
- Students are encouraged to evaluate the Pediatric faculty, fellows, and residents with whom they work throughout the 4-week rotation.

DEPARTMENT OF PSYCHIATRY

Director: [Dr. Emily Morse](#)

Contact: [Hailey Oepping](#)

8915 JPP
319-356-1254

[Sarah Butler](#)

8915 JPP
319-353-6963

PSYC:8401 Adult Psychiatry - 4 weeks

Faculty: Dr. Holly Van Den Beldt

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 2

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

This advanced elective offers the opportunity to study clinical psychiatry in greater depth. Elective clerks carry a smaller case load than residents but are otherwise expected to act as junior residents with staff supervision. Clerks also participate in a program of directed readings, didactic seminars, and clinical conferences. Feedback on directly observed clinical interviews will be provided.

Options include general adult psychiatry, geriatrics, mood, or psychotic disorders/neuropsychiatry. Student learning will emphasize assessment to develop a foundation of skills in clinical interviewing, mental status examination, differential diagnosis, and formulation. Psychotherapeutic and pharmacological management approaches will be emphasized.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

PSYC:8402 Child Psychiatry - 4 weeks

Faculty: Dr. Carissa Gunderson

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max 1
Enrollment:

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

This elective offers the student the opportunity to study in depth the behavioral manifestations of psychiatric disorders in children and adolescents. The elective will include both inpatient and outpatient experiences so that students have an opportunity to observe how psychiatrists diagnose and treat acute and chronic disorders in children. Outpatient clinic experiences will include diagnostic evaluations, medication follow-ups, and full team evaluations.

Students will also have the opportunity to observe neuropsychological and psychological evaluations. Students also participate in a program of clinical readings, didactic seminars, and clinical conferences.

This elective is well-suited for the student who is planning a career in pediatrics.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required

PSYC:8403 Adult Outpatient Psychiatry - 4 weeks

Faculty: Dr. Emily Morse

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max 1
Enrollment:

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

This elective offers students the opportunity to study outpatient psychiatry and emergency management of psychiatric patients. Students will be expected to participate with more independence in the diagnostic assessment of new patients in the clinic, as well as to assist senior residents in the evaluation and treatment of patients with psychiatric emergencies. An emphasis will be placed on the further development of psychiatric interviewing skills and diagnostic assessment skills.

Students will be exposed to both psychotherapeutic and psychopharmacologic treatment modalities. Observation of group psychotherapy and participation in senior elective clinical readings, resident didactic seminars, and resident

clinical conferences are expected of the clerk during this elective. The elective will be tailored as possible to the student's interests, including exposure to the University Adult Psychiatry Outpatient Clinic, the VA Adult Psychiatry Outpatient Clinic, geriatric evaluations, addictions treatment, and community psychiatry sites.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

PSYC:8404 Women's Wellness - 4 weeks

Faculty: Dr. Hristina Koleva

Offered: Closed June/July/August

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max 1
Enrollment:

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

Special Conditions: Prerequisite: In M4 year

Fourth year medical students can pursue a Women's Mental Health senior elective in the Women's Wellness and Counseling Service (WWC) at the University of Iowa Hospitals and Clinics and at the VA Women's Clinic. During this four-week rotation, students will have the opportunity for greater autonomy in evaluation and treatment of women with mental illness with a special emphasis on pregnant and postpartum women. They will be expected to participate in case conferences, attend regularly scheduled educational activities in women's mental health, prepare a presentation for the WWC service, and develop a working knowledge of fundamental literature in this field.

The majority of clinical and educational activities will be devoted to women's mental health. Depending on in the interests of the student, other psychiatric learning activities will be arranged during this rotation.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

PSYC:8405 Advanced Inpatient Sub-Internship in Medical Psychiatry - 4 weeks

Faculty: Dr. Vicki Kijewski

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max 2
Enrollment:

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

The Medical Psychiatry Clerkship is designed to provide hands-on experience in the evaluation and treatment of patients with combined medical and psychiatric disease. The fourth-year student under the supervision of residents in both medicine and psychiatry will learn to make appropriate medical and psychiatric diagnoses while considering the relationship of these conditions.

The student will act at sub intern level selecting appropriate consultations, diagnostic tests, and treatments.

The student will be expected to develop familiarity with the etiology and pathophysiology of the conditions being treated, review potential complications, and develop skills in direct interactions with the patients to facilitate team-teaching and patient care.

The student is required to prepare and present an article at the Medicine-Psychiatry noon conference.

Additional Course Information

Contact Dr. Vicki Kijewski for details about the noon conference schedule at the beginning of the elective. Participation in senior elective clinical readings, resident didactic seminars, and resident clinical conferences are expected of the clerk during this elective.

PSYC:8408 Advanced Inpatient Sub-I in Mood/Psychotic Disorders - 4 weeks

Faculty: Drs. John Liggins, Jess Fiedorowicz
and Aubrey Chan

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 2

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

The sub-internship in adult psychiatry will provide an experience for the student that maximizes autonomy and responsibility. The inpatient rotation will focus on one sub-specialty area (psychotic disorders or mood disorders) and emphasize the substantial other medical co-morbidity.

The sub-Intern will be expected to assess and address the medical and psychiatric needs of their assigned patients in a collaborative and integrative fashion.

Students will be expected to assess and manage their patients independently at the level of a psychiatry intern, reporting directly to the attending.

The didactic curriculum focuses on critical appraisal of the medical literature.

Call is required.

PSYC:8409 Eating Disorders - 4 weeks

Faculty: Dr. Kyle McGinty

Offered: All blocks

Administrative Contact: Hailey Oepping
hailey-oepping@uiowa.edu
319-356-1254

Max Enrollment: 1

Sarah Butler
sarah-butler@uiowa.edu
319-353-6963

Report To: See ICON or departmental email

The elective in eating disorders will provide an experience for the student that maximizes autonomy and responsibility. The inpatient or partial hospital rotation will emphasize the co-occurring psychiatric and co-morbid medical conditions associated with the eating disorders.

Students will be expected to assess and manage their patients at an advanced level. Students will provide direct patient care and engage in clinical decision making for complex patients with substantial co-morbidity. The didactic curriculum focuses on critical appraisal of the relevant medical literature. Students will be introduced to cognitive behavioral psychotherapy techniques.

A presentation of scholarly work (oral presentation or paper) is required.

Call is not required.

DEPARTMENT OF RADIOLOGY

Director: [Dr. Maheen Rajput](#)
[Dr. Shawn Sato](#)

Contact: [Lucy Fasano](#)
3970 JPP
319-384-9850

RAD:8401 Advanced Clinical Radiology - 4 weeks

Faculty: Drs. Maheen Rajput and Shawn Sato

Offered: All blocks except 11/21/22 block

Administrative Lucy Fasano
Contact: 319-384-9850
lucy-fasano@uiowa.edu

Max 6
Enrollment:

Report To: See ICON or departmental email

This elective is intended for students who want to improve their radiologic abilities whether or not they plan to pursue a career in radiology. The course consists of 2/4 one-week blocks in the radiologic subspecialties of the student's choice. This is a hands-on rotation in which the student will become a full member of the clinical team participating in all aspects of patient care including radiologic procedures. In addition, there is a program of lectures, case presentations, and guided self-instruction to update the student on the latest regarding integrating diagnostic and interventional imaging into patient management.

Upon successful completion of the rotation, the student will be able to: 1) develop differential diagnoses of common pathology based on radiographic imaging, and 2) understand the appropriate integration of radiologic imaging into patient management.

RAD:8402 Vascular and Interventional Radiology - 4 weeks

Faculty: Chad Davis, MD

Offered: All blocks pending approval of Dr. Davis.
Chad-e-davis@uiowa.edu

Administrative Lucy Fasano
Contact: 319-384-9850
lucy-fasano@uiowa.edu

Max 1
Enrollment:

Report To: See ICON or departmental email

The purpose of this elective is to expose the student to the broad range of diagnostic and therapeutic procedures performed by Interventional Radiology. Interventional radiology is a subspecialty of Radiology, which is responsible for the performance of a wide array of percutaneous, vascular and non-vascular procedures. These include angiography, angioplasty, vascular reconstructions, vascular embolization, percutaneous nephrostomies, biliary drainage, and placement of custom devices in the vascular tree and elsewhere.

Students in this elective will join the clinical interventional service, staff, fellows and residents. You will be expected to participate in the diagnostic workup and management of interventional patients as well as the performance of selected interventional procedures. You will be involved in the daily readouts and teaching on the interventional clinical service and participate in interventional and interdisciplinary interventional conferences and familiarize yourself with research opportunities.

DEPARTMENT OF RADIATION ONCOLOGY

Director: [Dr. John Buatti](#)

Contact: [Shawn Reynolds](#)
01626 PFPW
319-356-2699

RADO:8401 Radiation Oncology - 4 weeks

Faculty: Kristin Plichta, MD

Offered: All blocks

Administrative Fatima Kenjar

Contact: 319-384-6135
fatima-kenjar@uiowa.edu

Max 3

Enrollment:

Report To: See ICON or departmental email

Students are involved directly with the patient care and management under the immediate supervision of the faculty. They rotate through all five clinical services:

- Head and Neck Carcinoma
- Thoracic
- GI/GU/Metastases
- Lymphoma/CNS/Pediatrics
- Gynecological/Breast/Sarcomas

Under the direction of the faculty, the students evaluate patients for radiotherapy and help plan the course of radiotherapy treatments. They also participate in the discussion regarding these patients in multidisciplinary tumor boards and departmental conferences. The students are exposed to a variety of neoplasms and attend the multidisciplinary conferences relating to their patients.

The goal of the course is to expose the student to the field of radiation oncology and cancer management and give them an understanding of the interactions of radiation therapy, chemotherapy, and surgery.

DEPARTMENT OF SURGERY

Director: [Dr. Luis Garcia](#)

Contact: [Noel VanDenBosch](#)
1527 JCP
319-356-4499

SURG:8401 Advanced General Surgery - 4 weeks

Faculty: Department of Surgery Faculty

Offered: All blocks

Administrative Noel VanDenBosch

Contact: 319-356-4499
noel-vandenbosch@uiowa.edu

Max 5

Enrollment:

Report To: See ICON or departmental email

Special Conditions: No more than one senior can be on a general surgery team with junior students on their required clerkship, whether those students are doing electives or sub-internships.

Coordinator will request team preferences prior to rotation start date.

Students on senior electives in surgery will increase their knowledge by focusing on a specific area of surgical practice with a particular full-time faculty member, serving as a preceptor. The students will strengthen their clinical skills in perioperative patient assessment and management, in use of diagnostic studies pertinent to the surgeon's practice and assisting or performing procedures under direct supervision.

A broad range of clinical activities in the operating room, clinics, wards, and intensive care units is possible depending on the preceptor's practice. This may also include night and/or weekend call activity at the discretion of the preceptor. However, more than 40 but less than 80 total hours of clinical activity should be expected.

SURG:8402 Advanced Inpatient Sub-Internship in General Surgery - 4 weeks

Faculty: General Surgery Staff

Offered: All blocks

Max 5

Enrollment:

Report To: Noel VanDenBosch
319-356-4499
noel-vandenbosch@uiowa.edu

Special Conditions: Only one student per team.

Coordinator will request team preferences prior to rotation start date.

Sub-interns will improve students' clinical skills by assuming an intern's level of responsibility for the assessment and management of a limited number of patients, under the direct supervision of a senior surgery resident. The sub-interns will increase their proficiency with perioperative patient assessment and management, including selecting and interpreting appropriate laboratory and radiologic studies. Sub-interns may also participate in procedures, but at least 80% of their time should be spent managing in-patients.

Sub-interns will accomplish this by working as a member of a surgical resident team, including approximately weekly night/weekend call at the same time as a faculty member on the team so that the sub-interns may participate in the entire spectrum of patient management from the stage of initial surgical consultation.

Sub-interns will be asked to submit goals and strategies for achieving their goals in advance. The chief residents will be asked to review and revise these goals as appropriate. At the end of the month, sub-interns will be asked to review how these goals have been met with the course director, residency program director, or chair of surgery.

DEPARTMENT OF UROLOGY

Director: [Dr. Amy Pearlman](#)

Contact: [Amy Candelario](#)
3251-B RCP
319-356-2910

URO:8401 Advanced Clerkship General Urology - 4 weeks

Faculty: Dr. Amy Pearlman

Offered: All blocks

Administrative Amy Candelario

Contact: 319-356-2910
amy-candelario@uiowa.edu

Max 2

Enrollment:

Report To: See ICON or departmental email

Special Conditions: Students considering a Urology residency are encouraged to meet with Dr. Pearlman.

The student will become an integral member of the team, functioning at the PGY-1 level (i.e. responsible for histories and physicals on admission, daily inpatient rounds, attending surgery, and seeing patients in the urology clinic). The student will be given graded responsibility for as much as possible in surgical cases.

URO:8402 Advanced Pediatric Urology - 4 weeks

Faculty: Drs. Cooper, Storm, Lockwood, and Edwards

Offered: All blocks; limited in May and September

Administrative Amy Candelario

Contact: 319-356-2910
amy-candelario@uiowa.edu

Max 1

Enrollment:

Report To: See ICON or departmental email

Under the direction of the urology resident assigned to the pediatric service as well as the pediatric urology faculty, the senior student is expected to participate in the evaluation of clinical patients and the care of selected surgical patients, including preoperative evaluation, intraoperative assistance, and postoperative care. The student is encouraged to work under a close mentor-student relationship to develop skills in pediatric urology.

URO:8403 Urology Oncology - 4 weeks

Faculty: Drs. O'Donnell, Brown, Tracy, Nepple, Gellhaus, Pearlman, Packiam, and Steinberg

Offered: All blocks; limited in November and December

Administrative Amy Candelario

Contact: 319-356-2910

amy-candelario@uiowa.edu

Max 1

Enrollment:

The student will have a multispecialty exposure to the diagnosis and treatment of patients with current and newly diagnosed urologic malignancies. The student will spend on average 1-2 days per week in either medical oncology or radiation oncology and the remainder of the time in either the urologic oncology or cancer survivorship/men's health clinic or ORs. The student will attend the urology conferences, specifically indications, radiology, and pathology, in addition to the bi-monthly multispecialty tumor board. This course is designed for students planning to enter into primary care and have an interest in oncology or cancer survivorship/men's health issues and for students with an interest in urology.